

07/01/11/601

FRANK

22 FEB



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RB T103216-101
Job Sheet 187498



Part No: RB T103216-101

Job Qty: 4 ea

DAS
21
9-89

Part Name: Spanner Assembly



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 12/5/18

Job Tracking No:

Due Date: 2/22/19

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG T103216 Rev.0 IPP Rev. A 18.08.01 new issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea	2/22/19	2/22/19	0.00	0.00	Start up Waterjet		
100	Waterjet - Flow - B4B	1 pcs	2/22/19	2/22/19	0.00	0.20	Waterjet 2OMAX		Dec 18 12:11
110	QC	1 pcs	2/22/19	2/22/19	0.00	0.00	QC2 Waterjet-4		Dec 18 12:11
120	Mori Seiki	1 pcs	2/22/19	2/22/19	0.00	1.00	NV5000-2		3.C. 18
130	QC	1 pcs	2/22/19	2/22/19	0.00	0.00	QC2-2		3.C. 18
140	QC	1 pcs	2/22/19	2/22/19	0.00	0.00	QC8		3.C. 18
170	Outsource	1 pcs	2/22/19	2/22/19	0.00	0.00	Outsource13		3.C. 18
180	Packaging	1 pcs	2/22/19	2/22/19	0.00	0.00	Packaging2		3.C. 18
190	QC	1 pcs	2/22/19	2/22/19	0.00	0.00	QC6		3.C. 18
200	Small Fab	1 pcs	2/22/19	2/22/19	0.00	0.10	Small Fab-1		3.C. 18
210	QC	1 pcs	2/22/19	2/22/19	0.00	0.00	QC5		3.C. 18
220	Packaging	1 pcs	2/22/19	2/22/19	0.00	0.00	Packaging3		3.C. 18
230	QC21-FG	1 Ea	2/22/19	2/22/19	0.00	0.00	QC21		3.C. 18

Part Op 100 - 1-Cut as per DWG. DWG. Rev: 0 PROG. Rev: 0 RED BARN folder use program RB T103216-103
Descriptions: 2-Deburr if necessary

120 - 1-Machine as per folio FC 570 FOLIO REV: AA DWG REV: 0 2-Deburr

140 - Engrave T/N and/or P/N number using MARKTRONIC engraver as per DWG. See picture in DART catalog for location.

170 - Issue P/O to GROUPE ALTECH: P/O 042341 -Zinc plate, ASTM B633 TYPE 2 SC2 -Color; yellow -Material type; 4140 -Certificate of Conformity is required

200 - Assemble as per DWG.

220 - Bag and tag

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
MT-4140-B-0.625X3.000 4140 Steel Bar 0.625" x 3.000"		.4300 ft (.43 ea)	90-Start up Operation	
90145A471	Dowel Pin 1/8"X1/2" 18-8 SS	41 Ea (1 ea)	200-Small Fab	5098594
92620A585	Zinc Yellow-Chromate Plated Hex Head Screw, Grade 8 Steel, 5/16"-18 Thread Size, 1-1/4" Long	82 Ea (2 ea)	200-Small Fab	5099277
94895A030	High-Strength Steel Hex Nut, Grade 8, Zinc Yellow-Chromate Plated, 5/16"-18 Thread Size	82 Ea (2 ea)	200-Small Fab	5099276
NAS1149F0563P	Washer	16 Ea (4 ea)	200-Small Fab	5098031-1

5136934

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date : _____	Sequence #: _____	QTY Affected : _____		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	MT-4140-B-0.625X3.000	0	6	0
200-Small Fab	90145A471	1	7	0
	92620A585	2	50	0
	94895A030	2	100	0
	NAS1149F0563P	4	625	0

Part Specifications

Specifications could not be found.

Plex 12/5/18 3:12 PM Dart.lajeunesse.marie



Container No: S136945



Part: RB T103216-101

Job No: 187498

Serial No/Batch: S136945

Revision: 0

Inspector:

Exp Date:

Instructions:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 12/11/18

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐ ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled		FAULT CATEGORY ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada
Tel (613) 632-5200

PURCHASE ORDER PO042341



Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

PO No: PO042341
PO Date: 1/21/19
Due Date: 1/25/19
**Purchase Order
Revision:**
Revision Date:
Ship-To Contact: Tsimiklis, ChrisoulaPhone:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 60
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	186062	RBE105-31702W14-1	Drift -Issue P/O; -Zinc plate, ASTM B633 TYPE 2 SC2 -Color; yellow -Material type; 4140 -Certificate of Conformity is required	Firmed	-	1/25/19	9 pcs	0 pcs	9 pcs	\$2.6470588/pcs	\$23.82
Line Item Note ** asap :(**											
2	188456	RBW6430G02931-8G	Extractor YELLOW OR BLACK ZINC PER ASTM B633 TYPE 2 CLASS 2 CERTIFICATE OF CONFORMANCE IS REQUIRED	Firmed	-	1/25/19	6 pcs	0 pcs	6 pcs	\$2.6470588/pcs	\$15.88
3	188502	RBEL135M-2901-101-21	Slide -Issue P/O ; -Zinc plate, ASTM B633 TYPE 1 SC2 -Color; Clear -Material type; 1018 -Certificate of Conformity is required	Firmed	-	1/25/19	10 pcs	0 pcs	10 pcs	\$9.00/pcs	\$90.00

Line Item Note ** NEED BY FRIDAY 01/25 **



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO042341



Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4	187498	RB T103216-101	Spanner Assembly Outsource13 (Outside Processing - Zinc Plating) -Issue P/O to GROUPE ALTECH: P/O -Zinc plate, ASTM B633 TYPE 2 SC2 -Color; yellow -Material type; 4140 -Certificate of Conformity is required	Firmed	-	1/25/19	4 pcs	0 pcs	4 pcs	\$2.6470588/pcs	\$10.59
5	186570	RBW6205G19332-3G-1	Draw Bolt -Issue P/O to Groupe Altech: P/O -Zinc plate, ASTM B633 TYPE 2 SC2 -Color yellow -Certificate of Conformity is required	Firmed	-	1/25/19	5 pcs	0 pcs	5 pcs	\$2.6470588/pcs	\$13.24
6	186573	RBW6205G19432-3G-1	Draw Bolt -Issue P/O to Groupe Altech: P/O -Zinc plate, ASTM B633 TYPE 2 SC2 -Color yellow -Certificate of Conformity is required	Firmed	-	1/25/19	4 pcs	0 pcs	4 pcs	\$2.6470588/pcs	\$10.59

Line Item Note ** For Friday morning please **

7	188457	RBW6521G00131-8G	Oil Seal Installation / Removal Kit YELLOW ZINC PER ASTM B633, TYPE 2 CLASS 2	Firmed	-	1/25/19	6 pcs	0 pcs	6 pcs	\$8.8970588/pcs	\$53.38
---	--------	------------------	--	--------	---	---------	-------	-------	-------	-----------------	---------

Line Item Note:

Certificate of conformity is required



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO042341



Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
Grand Total:											\$217.50

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 1/22/19 10:46 AM dart.tsimiklis.chrisoula



Certificat de Conformité / Certificate of Compliance

(016161-1)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
 Tel: 514-335-3666 Fax: 514-335-3868
 www.groupaltech.com

Bon de Livraison / Packing Slip

016161 - 1

Livré à / Ship to

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courier / Acc. No.	Bon de commande Client Customer Purchase Order No.				
22-Jan-2019		Aman		042341 ✓				
#Ligne Line#	No. de Série / # Pièce Part Number / Line Item Details Job # / Ref #	Description pièce(s)	CATG. U/M	Quantités / Quantities				
				Comm. /Ordered	Exp/ Shipped	Qté NC/ NC Qty	Qté Scrap/	À venir / Back Order
1	RBE105-31702W14-1 ✓ Rev.	RBE105-31702W14-1 ZINC PLATE ASTM B633 TYPE 2 SC2	ZINC CH	9	9 ✓	0	0	0
2	RBW6430G02931-8G ✓ Rev.	RBW6430G02931-8G ZINC PLATE ASTM B633 TYPE 2 CLASS 2	ZINC CH	6	6 ✓	0	0	0
3	RBEL135M-2901-101-21 ✓ Rev.	RBEL135M-2901-101-21 ZINC PLATE ASTM B633 TYPE 1 SC2	ZINC CH	10	10 ✓	0	0	0
4	RBT103216-101 ✓ Rev.	RBT103216-101 ZINC PLATE ASTM B633 TYPE 2 SC2	ZINC CH	4	4 ✓	0	0	0
5	RBW6205G19332-3G-1 ✓ Rev.	RBW6205G19332-3G-1 ZINC YELLOW ASTM B633 TYPE 2 SC2	ZINC CH	5	5 ✓	0	0	0
6	RBW6205G19432-3G-1 ✓ Rev.	RBW6205G19432-3G-1 ZINC YELLOW B633 TYPE 2 SC2	ZINC CH	4	4 ✓	0	0	0
7	RBW6521G00131-8G ✓ Rev.	RBW6521G00131-8G STRIP ZINC YELLOW PER ASTM B633 TYPE 2 CLASS 2	ZINC CH	20	20 ✓	0	0	0

Notes Additionnelles / Additional Notes

Epaisseur réelle
Actual Thickness

Inspecteur Qualité
Quality Inspector

Réçu par
Received By

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
 Our financial and legal responsibility will not be higher than the amount of invoice.